

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|---------------------|
| L1 | 564 | 600/453 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2009/09/10 10:53 |
| L2 | 17 | L1 and (orifice or (vena with contracta) or valve) and (area or (flow with rate) or (flow with volume)) and overlap\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2009/09/10 10:53 |
| L3 | 42 | ((THOMAS) near2 (BUCK)). INV. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/10 11:00 |
| S1 | 1 | ("5085220").PN. | USPAT; USOCR | OR | OFF | 2007/05/10 09:41 |
| S2 | 253 | (600/453).CCLS. | USPAT; USOCR | OR | OFF | 2007/04/30 10:03 |
| S3 | 1 | S2 and (vena adj contracta) | USPAT | OR | OFF | 2007/04/30 10:04 |
| S4 | 7 | ("4259870" "4807636" "5062427" "5390677"). PN. OR ("6544181").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/30 10:42 |
| S5 | 13 | S2 and (heart adj valve) | USPAT | OR | OFF | 2007/04/30 10:55 |
| S6 | 355 | (600/455).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/30 10:55 |
| S7 | 12 | S6 and (heart adj valve) | USPAT | OR | OFF | 2007/04/30 10:56 |
| S8 | 13 | S6 and (heart adj valve) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/30 11:00 |
| S9 | 595 | 600/454 | USPAT | OR | OFF | 2007/04/30 11:00 |
| S10 | 666 | 600/454 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/30 11:00 |
| S11 | 19 | S10 and (heart adj valve) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/30 11:03 |
| S12 | 183 | 600/456 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/30 11:04 |
| S13 | 5 | S12 and (heart adj valve) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/30 11:05 |
| S14 | 14 | "4519260" | USPAT | OR | OFF | 2007/04/30 11:05 |
| S15 | 29 | "4873985" | USPAT | OR | OFF | 2007/04/30 11:06 |

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|-----|----|--|--------------------|----|-----|---------------------|
| S16 | 4 | "6293914" | USPAT | OR | OFF | 2007/04/30 11:07 |
| S17 | 3 | "6423006" | USPAT | OR | OFF | 2007/04/30 11:07 |
| S18 | 3 | "6464642" | USPAT | OR | OFF | 2007/04/30 11:08 |
| S19 | 22 | (US-20050251041-\$ or US-20040019278-\$ or US-20020151794-\$).did. or (US-6682485-\$ or US-5390677-\$ or US-5062427-\$ or US-4807636-\$ or US-4259870-\$ or US-6719697-\$ or US-6544181-\$ or US-6537217-\$ or US-5855557-\$ or US-5844140-\$ or US-4143650-\$ or US-6149595-\$ or US-7024244-\$ or US-6511426-\$ or US-4519260-\$ or US-4873985-\$ or US-6293914-\$ or US-6423006-\$ or US-6464642-\$).did. | US-PGPUB; USPAT | OR | OFF | 2007/04/30 11:16 |
| S20 | 0 | S19 and rosette | USPAT | OR | OFF | 2007/04/30 11:17 |
| S21 | 0 | S12 and rosette | USPAT | OR | OFF | 2007/04/30 11:17 |
| S22 | 1 | S10 and rosette | USPAT | OR | OFF | 2007/04/30 13:09 |
| S23 | 17 | S19 and reference | USPAT | OR | OFF | 2007/04/30 13:10 |
| S24 | 4 | "6544181" | USPAT | OR | OFF | 2007/04/30 16:05 |
| S25 | 15 | "4807636" | USPAT | OR | OFF | 2007/04/30 13:37 |
| S26 | 3 | "6464642" | USPAT | OR | OFF | 2007/04/30 16:05 |
| S27 | 22 | (US-20050251041-\$ or US-20040019278-\$ or US-20020151794-\$).did. or (US-6682485-\$ or US-5390677-\$ or US-5062427-\$ or US-4807636-\$ or US-4259870-\$ or US-6719697-\$ or US-6544181-\$ or US-6537217-\$ or US-5855557-\$ or US-5844140-\$ or US-4143650-\$ or US-6149595-\$ or US-7024244-\$ or US-6511426-\$ or US-4519260-\$ or US-4873985-\$ or US-6293914-\$ or US-6423006-\$ or US-6464642-\$).did. | US-PGPUB; USPAT | OR | OFF | 2007/04/30 17:16 |

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|-----|--------|---|------------------------|----|-----|------------------|
| S28 | 0 | S27 and (matrix with array with transducer) | USPAT | OR | OFF | 2007/04/30 17:16 |
| S29 | 1 | S27 and (matrix with transducer) | USPAT | OR | OFF | 2007/04/30 17:40 |
| S30 | 2 | ultrasound and (heart with valve) and (matrix with array with transducer) | USPAT | OR | OFF | 2007/04/30 17:40 |
| S31 | 3 | "6464642" | USPAT | OR | OFF | 2007/05/01 11:22 |
| S32 | 29 | "4873985" | USPAT | OR | OFF | 2007/05/01 13:25 |
| S33 | 42 | (matrix adj array) adj transducer | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/01 13:34 |
| S34 | 18 | S33 and beams | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/01 13:26 |
| S35 | 16 | S33 and heart | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/01 13:34 |
| S36 | 23 | (US-20050251041-\$ or US-20040019278-\$ or US-20020151794-\$).did. or (US-6719697-\$ or US-6544181-\$ or US-6537217-\$ or US-5855557-\$ or US-5844140-\$ or US-4143650-\$ or US-6423006-\$ or US-6682485-\$ or US-6149595-\$ or US-5390677-\$ or US-4873985-\$ or US-5062427-\$ or US-4259870-\$ or US-4807636-\$ or US-7024244-\$ or US-6511426-\$ or US-6293914-\$ or US-4519260-\$ or US-6464642-\$ or US-5427106-\$).did. | US-PGPUB; USPAT | OR | OFF | 2007/05/02 10:59 |
| S37 | 173604 | beams | USPAT | OR | OFF | 2007/05/02 10:59 |
| S38 | 16 | S36 and beams | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 11:00 |
| S39 | 5 | S38 and matrix | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 11:26 |
| S40 | 8 | "2052918" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 11:27 |
| S41 | 1 | GB-A-2052918 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 11:29 |
| S42 | 183 | 600/456 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 11:29 |
| S43 | 44 | S42 and matrix | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 11:29 |
| S44 | 25 | S43 and heart | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 11:29 |

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|-----|----|---|---------------------------|----|-----|---------------------|
| S45 | 3 | S44 and (matrix with transducer) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 11:29 |
| S46 | 13 | ("5105817" "5285788" "5623930" "5701898" "5720291" "5769079" "5967987" "5997480" "6071242" "6117080" "6190321" "6241675" "6258029").PN. OR ("6780155").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 11:34 |
| S47 | 13 | ("5105817" "5285788" "5623930" "5701898" "5720291" "5769079" "5967987" "5997480" "6071242" "6117080" "6190321" "6241675" "6258029").PN. OR ("6780155").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 11:36 |
| S48 | 37 | ("4409982" "4803990" "4853904" "5119342" "5140558" "5278757" "5291090" "5295485" "5483963" "5505203" "5667373" "5722412" "5740806" "5793701" "5817024" "5839442" "5893363" "5897501" "5904652" "5905692" "5919138" "5925967" "5964709" "5970025" "5973438" "6055861" "6063030" "6089096" "6113545" "6126608" "6135961" "6139498" "6174286" "6203498" "6238346" "6251073"). PN. OR ("6773399").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 11:56 |
| S49 | 3 | "6464642" | USPAT | OR | OFF | 2007/05/10 09:42 |
| S50 | 2 | "6773399" | USPAT | OR | OFF | 2007/05/10 11:37 |
| S51 | 37 | ("4409982" "4803990" "4853904" "5119342" "5140558" "5278757" "5291090" "5295485" "5483963" "5505203" "5667373" "5722412" "5740806" "5793701" "5817024" "5839442" "5893363" "5897501" "5904652" "5905692" "5919138" "5925967" "5964709" "5970025" "5973438" "6055861" "6063030" "6089096" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/10 11:40 |

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| | | "6113545" "6126608" "6135961" "6139498" "6174286" "6203498" "6238346" "6251073"). PN. OR ("6773399").URPN. | | | | |
| S52 | 4 | ultrasound and beams and rosette | USPAT | OR | OFF | 2007/05/10 11:42 |
| S53 | 154 | ultrasound and rosette | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/10 11:43 |
| S54 | 8 | S53 and (rosette with pattern) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/10 11:50 |
| S55 | 33384 | ultrasound and (plurality of beams) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/10 11:50 |
| S56 | 910 | ultrasound and (plurality with beams) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/10 11:50 |
| S57 | 0 | (10/876743).APP. | USPAT; USOCR | OR | OFF | 2007/05/10 11:51 |
| S58 | 0 | (10/876743).APP. | USPAT; USOCR | OR | OFF | 2007/05/10 11:51 |
| S59 | 6 | "6544181" | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/29 15:17 |
| S60 | 8 | ("4259870" "4807636" "5062427" "5390677"). PN. OR ("6544181").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/29 15:27 |
| S61 | 0 | S60 and (orifice or opening) and (overlap or overlapping) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/29 15:28 |
| S62 | 1024 | (ultrasound or ultrasonic) and doppler and (orifice or opening) and (overlap or overlapping) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/11/29 15:28 |
| S63 | 419 | S62 and beams | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/11/29 15:29 |
| S64 | 254 | S63 and (flow with (rate or volume)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/11/29 15:29 |
| S65 | 154 | S64 and blood | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/11/29 15:29 |
| S66 | 21 | S65 and (measurement with beam) and (reference with beam) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/11/29 15:30 |
| S67 | 20 | S66 and heart | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/11/29 15:31 |

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|-----|-----|--|--|----|-----|---------------------|
| S68 | 0 | (10/546629).APP. | USPAT; USOCR | OR | OFF | 2008/11/29 15:31 |
| S69 | 0 | ("2006/0173347").URPN. | USPAT | OR | OFF | 2008/11/29 15:31 |
| S70 | 17 | S65 and ((overlap or overlapping) with (beams)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/11/29 15:35 |
| S71 | 3 | S65 and (((overlap or overlapping) with (beams)) with (opening or orifice)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/11/29 15:35 |
| S72 | 19 | ultrasound and (blood with flow) and ((overlap or overlapping) with beams) and backscatter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/11/29 15:37 |
| S73 | 27 | ultrasound and (blood with flow) and ((overlap or overlapping) with beam) and backscatter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/11/29 15:38 |
| S74 | 1 | "10546629" | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/29 16:16 |
| S75 | 0 | S74 and (pulse) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/29 16:16 |
| S76 | 1 | S74 and continuous | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/29 16:16 |
| S77 | 524 | 600/453 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/12/01 09:43 |
| S78 | 8 | S77 and (flow with (rate or volume)) and ((overlap or overlapping) with beams) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/12/01 09:43 |
| S79 | 765 | 600/454 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/12/01 10:19 |
| S80 | 13 | S79 and (flow with (rate or volume)) and ((overlap or overlapping) with beams) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/12/01 10:19 |
| S81 | 1 | S80 and ((orifice or opening) with beam) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2008/12/01 10:20 |
| S82 | 280 | 600/450 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/01 11:36 |

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|-----|-----|--|--|----|-----|---------------------|
| S83 | 3 | S82 and (flow with (rate or volume)) and ((overlap or overlapping) with beams) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/12/01 11:37 |
| S84 | 578 | 600/462 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/12/01 11:42 |
| S85 | 1 | S84 and (flow with (rate or volume)) and ((overlap or overlapping) with beams) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/12/01 11:43 |
| S86 | 122 | 600/465 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/12/01 11:45 |
| S87 | 2 | S86 and (flow with (rate or volume)) and ((overlap or overlapping) with beams) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/12/01 11:45 |
| S88 | 18 | "544181" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/12/01 13:06 |
| S89 | 7 | "6544181" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/12/01 13:06 |
| S90 | 1 | "10546629" | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/01 12:40 |
| S91 | 8 | "6464642" | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/01 13:17 |
| S92 | 1 | ("5546951").PN. | USPAT; USOCR | OR | OFF | 2009/09/01 15:02 |
| S93 | 1 | ("6216027").PN. | USPAT; USOCR | OR | OFF | 2009/09/01 15:08 |
| S94 | 51 | (600/465).CCLS. | USPAT; USOCR | OR | OFF | 2009/09/01 15:58 |
| S95 | 65 | (600/465).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2009/09/01 15:58 |
| S96 | 12 | S95 and (orifice or (vena with contracta) or valve) and (area or (flow with rate) or (flow with volume)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/01 15:59 |
| S97 | 0 | (10/303252).APP. | USPAT; USOCR | OR | OFF | 2009/09/01 16:03 |
| S98 | 827 | 600/454 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/01 16:05 |

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|------|------|---|--|----|-----|---------------------|
| S99 | 114 | S98 and (orifice or (vena with contracta) or valve) and (area or (flow with rate) or (flow with volume)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/01 16:05 |
| S100 | 25 | S99 and (overlap\$4) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/01 16:05 |
| S101 | 623 | 600/462 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2009/09/01 16:22 |
| S102 | 94 | S101 and (orifice or (vena with contracta) or valve) and (area or (flow with rate) or (flow with volume)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2009/09/01 16:22 |
| S103 | 17 | S101 and (orifice or (vena with contracta) or valve) and (area or (flow with rate) or (flow with volume)) and overlap\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2009/09/01 16:23 |
| S104 | 306 | 600/450 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2009/09/01 16:29 |
| S105 | 13 | S104 and (orifice or (vena with contracta) or valve) and (area or (flow with rate) or (flow with volume)) and overlap\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2009/09/01 16:29 |
| S106 | 9953 | (overlap\$4 with (orifice or (vena with contracta) or valve)) and (area or (flow with rate) or (flow with volume)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2009/09/01 16:32 |
| S107 | 19 | (overlap\$4 with (orifice or (vena with contracta) or valve)) and (area or (flow with rate) or (flow with volume)) and (ultrasound or ultrasonic) and doppler | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2009/09/01 16:32 |
| S108 | 6 | ((ultrasound or ultrasonic) with beam) same ((overlap\$4 with (orifice or (vena with contracta) or valve))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2009/09/01 16:41 |
| S109 | 15 | ("3977247" "4259870" "4373533" "4493216" "4519260" "4807636" "4873985").PN. OR ("5085220").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/01 16:44 |

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|------|-----|--|------------------------|----|-----|------------------|
| S110 | 11 | ("3888238" "4476874" "4493216" "4757822" "4796634" "4807636" "5052395" "5085220").PN. OR ("5406948").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/01 16:45 |
| S111 | 66 | "6216027" | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/02 09:39 |
| S112 | 229 | "5042486" | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/02 09:47 |
| S113 | 1 | "11002399" | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/02 09:55 |
| S114 | 549 | "5391199" | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/02 10:09 |
| S115 | 549 | "5391199" | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/02 10:28 |
| S116 | 300 | ("4173228" "4613866" "4697595" "4699147" "4821731" "4945305" "5041973" "5042486" "5054496" "5056517" "5081993" "5104393" "5154501" "5156151" "5158092" "5172699" "5222501").PN. OR ("5391199").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/02 10:29 |
| S117 | 101 | S116 and ((computed with tomography) or CT) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/02 10:30 |
| S118 | 94 | S117 and (match\$3 or correspondence or register \$3) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/02 10:30 |
| S119 | 11 | S118 and boston | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/02 10:32 |
| S120 | 0 | "10546629" | USPAT | OR | OFF | 2009/09/09 15:11 |
| S121 | 0 | "20060173347" | USPAT | OR | OFF | 2009/09/09 15:12 |
| S122 | 1 | "20060173347" | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/09 15:47 |

9/ 10/ 2009 11:25:48 AM

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